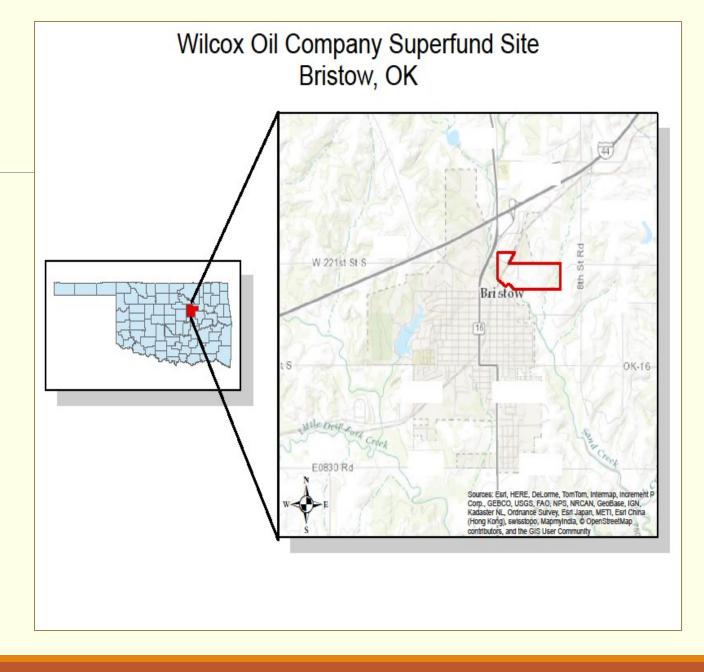
# Source Control Proposed Plan

WILCOX OIL COMPANY, BRISTOW, OK BRIEFING JUNE 15, 2018

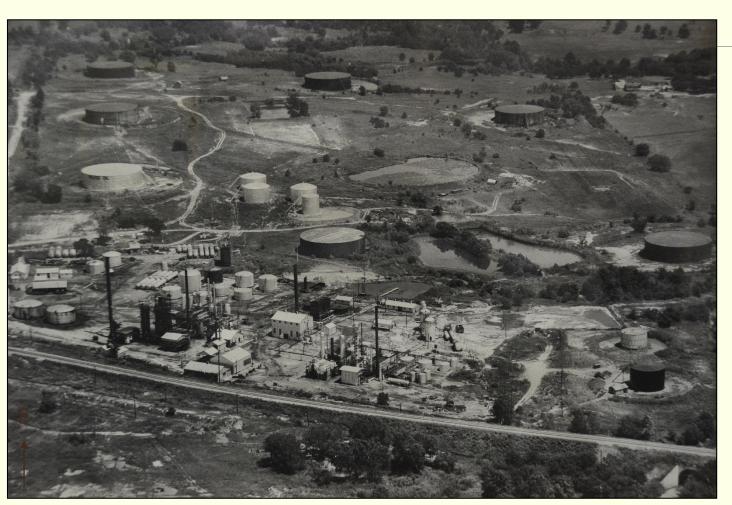


# Site Location

The Site is situated NE of Bristow, Creek County, Oklahoma



# Site Background



Operation:
Oil Refinery

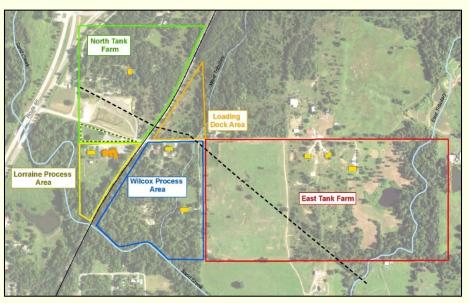
Activity Period: 1915 through 1963

Size: about 140 to 150 acres

<u>Listed</u>: December 12, 2013

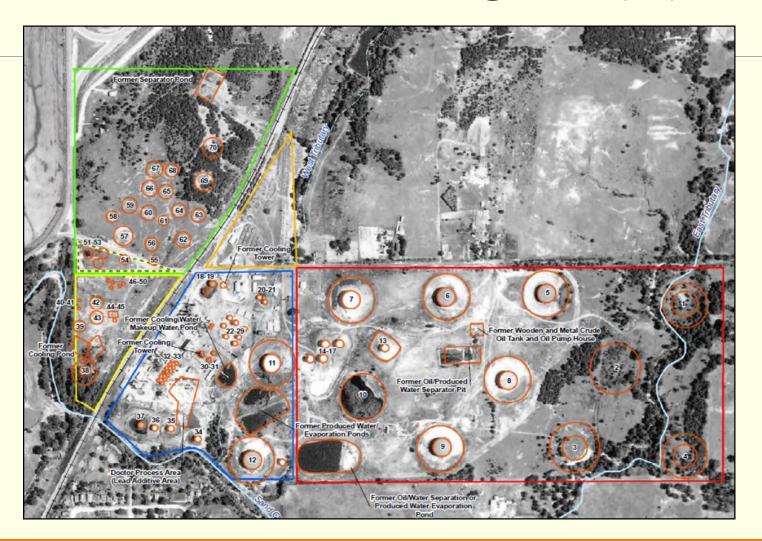
1950s Aerial Photograph

## Site Remedial Investigation (RI)





## Site Remedial Investigation (RI)



RI Field Work – Phase Approach

Phase 1 – Site Screen and Residential Sampling

Phase 2 – Data Collection over multiple field events

- Sources
- Soils
- Surface water
- Sediment
- Ground water
- Soil gas and indoor air

#### Source Identification

- Tank waste
- Lead Additive Area

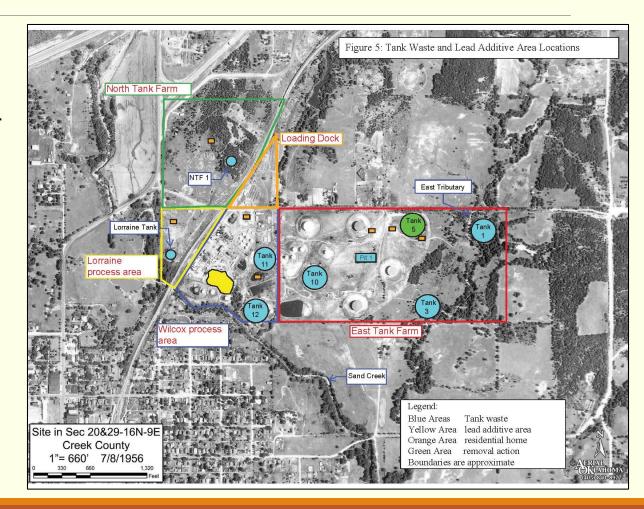


### Source Control Action

Tank Waste and Lead Additive Area

### Benefits:

- Potential for No further Action in the East Tank Farm
- 9 Sources removed
- 5 migration Pathways to the Creek removed
- 3 Residential Properties addressed
- Overall Site Risk
   Reduction: Human and
   Ecological



### **Alternatives Evaluated**

#### No Action

Excavation, Treatment and Offsite Disposal \$4,135,294

Excavation, Treatment, Consolidation, Capping \$4,633,269

Source Material Health-Based Target Levels <sup>1</sup>				
Contaminant	Data Results (mg/kg)	Health Based Target Level (mg/kg)	Health-Based Target Level Basis	
Lead	105,000	800	Protection of blood lead levels in workers	
Benzo(a)pyrene	12	0.11	Residential Cancer Screening Number at 10-6 Risk	

<sup>1-</sup> Regional Screening Levels for Chemical Contaminants at Superfund Sites, November 2017 mg/kg = milligram per kilogram

## Alternative Proposed

Excavation, Treatment, and Offsite Disposal

\$4,135,294

Areas of Remediation – Estimated Volumes			
Area Name	Volume Estimated (cubic yards)		
Lorraine Waste	953		
Lead Additive Area	2269		
Tank 1	3,323		
Tank 3	3,608		
NTF-1	818		
Tank 10	9,902		
Tank 11	431		
Tank 12	4,788		
Pit 1	4,270		
Total	30,362 (5 Acres)		

# Community Involvement

**HQ** Review and Input

Lead consultation

January 2018

ODEQ Review and Input

Management Call

February-April 2018

Tribal Review and Input

Consultation

Meeting

February-April 2018

Public Meeting

July 2018

Source Control ROD

September 2018